

CTTCCACTTCCTCTGTAATGGTGGAACCAAAACCCTAGATTCCCCCTTTCATCTTCTCTA
CTTCCCACACTTTTCTCTCTCACAACTCTTGAGAAATGAAGACTTTTCAAGCTTCTTT
CTCTCTGTAACAACTCTCTTCTTCTCTCCTTCTTTTCTCTTTCATTTCAAGCTTCACCA
TCTCAGTCTTTATACAGAGAAATCCATCAGCTTATAAGCTTCAAAGACGTTCTTCCTGAC
AAGAATCTTCTCCCAGACTGGTCTTCCAACAAAACCCGTGTACTTTTCGATGGCGTTACT
TGCAGAGACGACAAAGTTACTTCGATTGATCTCAGCTCCAAGCCTCTCAACGTCGGATTCT
AGTGCCGTGTCCTCGTCTCTCCTGTCTCTCACC GGATTAGAGTCTCTGTTTCTCTCAAAC
TCACACATCAATGGCTCCGTTTCTGGCTTCAAGTGCTCTGCTTCTTTAACCAGCTTGGAT
CTATCTAGAACTCTCTTTCGGGTCTCTGTAACGACTCTAACAAGCCTTGGTTCTTGCTCC
GGTCTGAAGTTTCTTAACGTCTCTTCCAATACACTTGATTTTCCCGGGAAGTTTCAGGT
GGGTTGAAGCTAAACAGCTTGAAGTTCTGGATCTTCTGCGAATTCAATCTCCGGTGCT
AACGTCGTTGGTTGGGTCTCTCCGATGGGTGTGGAGAGTTGAAACATTTAGCGATTAGC
GGAAACAAAATCAGTGGAGACGTCGATGTTTCTCGCTGCGTGAATCTCGAGTTTCTCGAT
GTTTCTCTCCAACAATTTCTCCACTGGGATTCCTTTCTCGGAGATTGCTCTGCTCTGCAA
CATCTTGACATCTCCGGGAACAAATTATCCGGCGATTCTCTCCGTGCTATCTCTACTTGC
ACAGAGCTCAAGTTGTTGAACATCTCTAGTAACCAATTCGTCGGACCAATCCCTCCGCTA
CCGCTTAAAAGTCTCCAATACCTCTCTCTGGCCGAGAACAAATTCACCGGCGAGATCCCT
GACTTTCTCTCCGGCGCGTGTGATACACTACTGGTCTCGATCTCTCTGGAATCATTTCT
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GTACTTGATCTGTCTTTCAACGAGTTTTCCGGCGAATTACCGGAATCTCTGACGAATCTA
TCCGCTTCGTTGCTAACGTTAGATCTCAGCTCCAACAATTTCTCCGGTCCGATTCTCCCA
AATCTCTGCCAGAACCCTAAAAACACTCTGCAGGAGCTTTACCTTCAGAACAATGGCTTC
ACCGGGAAGATTCCACCGACTTTAAGCAACTGTTCTGAGCTGGTTTTCGCTTCACTTGAGC
TTCAATTACCTCTCCGGGACAATCCCTTCGAGCTTAGGCTCTCTATCGAAGCTTCGAGAT
CTGAAACTATGGCTGAATATGTTAGAAGGAGAGATCCCTCAGGAGCTCATGTATGTCAAG
ACCTTAGAGACTCTGATCCTCGACTTCAACGATTTAACC GGTAATCCCTTCGGGTTTA
AGTAAGTGTACCAATCTTAAGTGGATTTCTCTGTGCAATAACCGGTTAACC GGTAAGATT
CCGAATGGATTGGCCGGTTAGAGAATCTCGCTATCCTCAAGTTAAGCAACAATTCATTC
TCCGGGAACATTCCGGATGAGCTCGGCGACTGCAGAAGCTTAATCTGGCTTGATCTCAAC
ACCAATCTCTTCAATGGAACGATTCCGGCGGCGATGTTTAAACAATCCGGGAAAATCGCT
GCCAATTTTCATCGCCGGTAAGAGGTACGTTTATATCAAAAACGATGGGATGAAGAAAGAG
TGTCATGGAGCTGGTAATTTACTTGAGTTTCAAGGAATCAGATCCGAACAATTAACCGG
CTTTCAACGAGGAACCCTTGTAAATATCACTAGCAGAGTCTATGGAGGTCACACTTCGCCG
ACGTTTGATAACAATGGTTTCGATGATGTTTCTGGACATGTCTTACAACATGTTGTCTGGA
TACATACCGAAGGAGATTGGTTCGATGCCTTATCTGTTTATTCTCAATTTGGGTCATAAC
GATATCTCTGGTTCGATTCTCTGATGAGGTAGGTGATCTAAGAGGTTTAAACATTCTTGAT
CTTTCAAGCAATAAGCTCGATGGGAGGATTCCTCAGGCTATGTCAGCTCTTACTATGCTT
ACGGAAATCGATTTGTGCAATAATAATTTGTCTGGTCCGATTCTGAGATGGGTCAGTTT
GAGACTTTTCCACCGGCTAAGTTCTTGAACAATCCTGGTCTCTGTGGTTATCCTCTTCCG
CGGTGTGATCCTTCAAATGCAGACGGTTATGCTCATCATCAGAGATCTCATGGAAGGAGA
CCAGCGTCCCTTGCTGGTAGTGTGGCGATGGGATTGTTGTTCTCTTTTGTGTGTATATTT
GGGCTGATCCTTGTTGGTAGAGAGATGAGGAAGAGACGGAGAAAGAAAGAGGCGGAGTTG
GAGATGTATGCGGAAGGACATGGAACTCTGGCGATAGAAGTCTAACAACACCAATTGG
AAGCTGACTGGTGTGAAAGAAGCCTTGAGTATCAATCTTGCTGCTTTCGAGAAGCCATTG
CGGAAGCTCACGTTTGC GGATCTTCTTCAGGCTACCAATGGTTTCCATAATGATAGTCTG
ATTGGTTCTGGTGGGTTTGGAGATGTTTACAAAGCGATTTTGAAAGATGGAAGCGCGGTG
GCTATCAAGAACTGATTCATGTTAGCGGTCAAGGTGATAGAGAGTTTATGGCGGAGATG
GAAACCATTGGGAAGATCAAACATCGAAATCTGTGCCTCTTCTTGGTTATTGCAAAGTT

FIGURE 1A

GGAGACGAGCGGCTTCTTGTTAATGAGGTTATGAAGTATGGAAGTTTAGAAGATGTTTTG
CAAGACCCCAAGAAAGGTGGGGTGAACTTAAATTGTCCACACGGCGGAAGATTGCGATA
GGATCAGCTAGAGGGCTTGCTTTCCTTCACCACAACCTGCAGTCCGCATATCATCCACAGA
GACATGAAATCCAGTAATGTGTTGCTTGATGAGAATTTGGAAGCTCGGGTTTCAGATTTT
GGCATGGCGAGGCTGATGAGTGCGATGGATACGCATTTAAGCGTCAGTACATTAGCTGGT
ACACCGGGTTACGTTCCCTCCAGAGTATTACCAAAGTTTCAGGTGTTCAACAAAAGGAGAC
GTTTATAGTTACGGTGTGGTCTTACTCGAGCTACTCACGGGTAAACGGCCAACGGATTCA
CCGGATTTTGGAGATAACAACCTTGTTGGATGGGTGAAACAGCACGCAAACTGCGGATT
AGCGATGTGTTTGACCCGGAGCTTATGAAGGAAGATCCAGCATTAGAGATCGAACTTTTA
CAACATTTAAAAGTTGCGGTTGCGTGTTTGGATGATCGGGCTTGGAGACGACCGACAATG
GTACAAGTCATGGCCATGTTTAAAGGAGATACAAGCCGGGTCAGGGATAGATTACAGTCA
ACGATCAGATCAATAGAGGATGGAGGGTTCAGTACAATAGAGATGGTTGATATGAGTATA
AAAGAAGTTCCTGAAGGAAAATTATGAGAGTTAGAAACAGAGCCAAAGCAGATTCTTTGA
ACATCAAAATCATCTAAGGGTCAGTCCGATTTTCCTTGGGTCTATTTTTTTTGTATTTTC
TACTATATGCTAAGTGTATGTATCTATGTTATTTATACATAAGACGGATGTTTTTTTTT
CGGGCTCGGTCGAATTGGGGGTGGTGGAGAATAGAACTAAGTAATAACTTTGTTAAGAAT
ATGTAAATATACAGTTTTTTGGGGAGGGATTTGTAATGTTTTCGTTTTTAGTTCTATGGA
AATTTCTACGTTGCTAACAAATTAATTTATAATGAATCATGAAGAAACAAAGAGCCAAT
GTGTATTAAATTCGACTGATCATGTTTCATGTAAATGCACGTGACCTATTAATTCATTAT
TGTCGGAATTAATTTGGGGAATTC

FIGURE 1B

MKTFSSFFLSVTTLFFFSFFSLSFQASPSQSLYREIHQLISFKDVLDPKN
 LLPDWSSNKNPCTFDGVTCRDDKVTSIDLSSKPLNVGFSVAVSSSLSLTG
 LESLFLSNHSHINGSVSGFKCSASLTSLDLNRNSLSGPVTTLTSLGSCSGL
 KFLNVSSNTLDFPGKVSGGLKLNSLEVLDLSANSISGANVVGWVLSDGCG
 ELKHLAISGNKISGDVDVSRVCVNLEFLDVSSNNFSTGIPFLGDCSALQHL
 DISGNKLSGDFSRRAISTCTELKLLNISSNQFVGPIPPPLPKSLQYLSLAE
 NKFTGEIPDFLSGACDTLTGLDLSGNHFYGAVPPFFGSCSLLESALSSN
 NFSGELPMDTLLKMRGLKVLDLSFNEFSGELPESLTNLSASLLTLDLSSN
 NFSGPILPNLCQNPKNLTQELYLQNNGFTGKIPPTLSNCSELVSLHLSFN
 YLSGTIPSSSLGSLSKLRDLKLWLNMLEGEIPQELMYVKTLETILDFNDL
 TGEIPSGLSNCTNLNWISLSNNRLTGEIPKWIGRLENLAILKLSNNSFSG
 NIPDELGDRCRLIWLDLNTNLFNGTIPAAMFKQSGKIAANFIAGKRYVYI
 KNDGMKKECHGAGNLLFQGIRSEQLNRLSTRNPCNITSRVYGGHTSPTF
 DNNGSMMFLDMSYNMLSGYIPKEIGSNPYLFILNLGHNDISGSIPDEVGD
 LRGLNILDLSNKL DGRIPQAMSALTMLTEIDLNNLSGPIPEMGQFET
 FPPAKFLNMPGLCGYPLPRCDPSNADGYAHHQRSHGRRPASLAGSVAMGL
 LFSFVCIFGLILVGREMRKRRRKKEAELEMYAEGHGNSGDRATANNTNWKL
 TGVKEALSINLAFAFEKPLRKLTFADLLQATNGFHNDSLIGSGGFGDVYKA
 ILKDGSAVAIAKKLIHVSGQGDREFMAEMETIGKIKHRNLVPLLGYCKVGD
 ERLLVNEVMKYGSLEDVLQDPKKGVLKLSTRRKIAIGSARGLAFLHHN
 CSPHIIHRDMKSSNVLLDENLEARVSDFGMARLMSAMDTHLSVSTLAGTP
 GYVPPEYYQSFRCSTKGDVYSYGVVLELLTGKRPTDSPDFGDNNLVGWV
 KQHAKLRISDVFDPELMKEDPALEIELLQHLKVAVACLDDRAWRRPTMVQ
 VMAMFKEIQAGSGIDSQSTIRSIEDGGFSTIEMVDMSIKEVPEGKL

FIGURE 1C

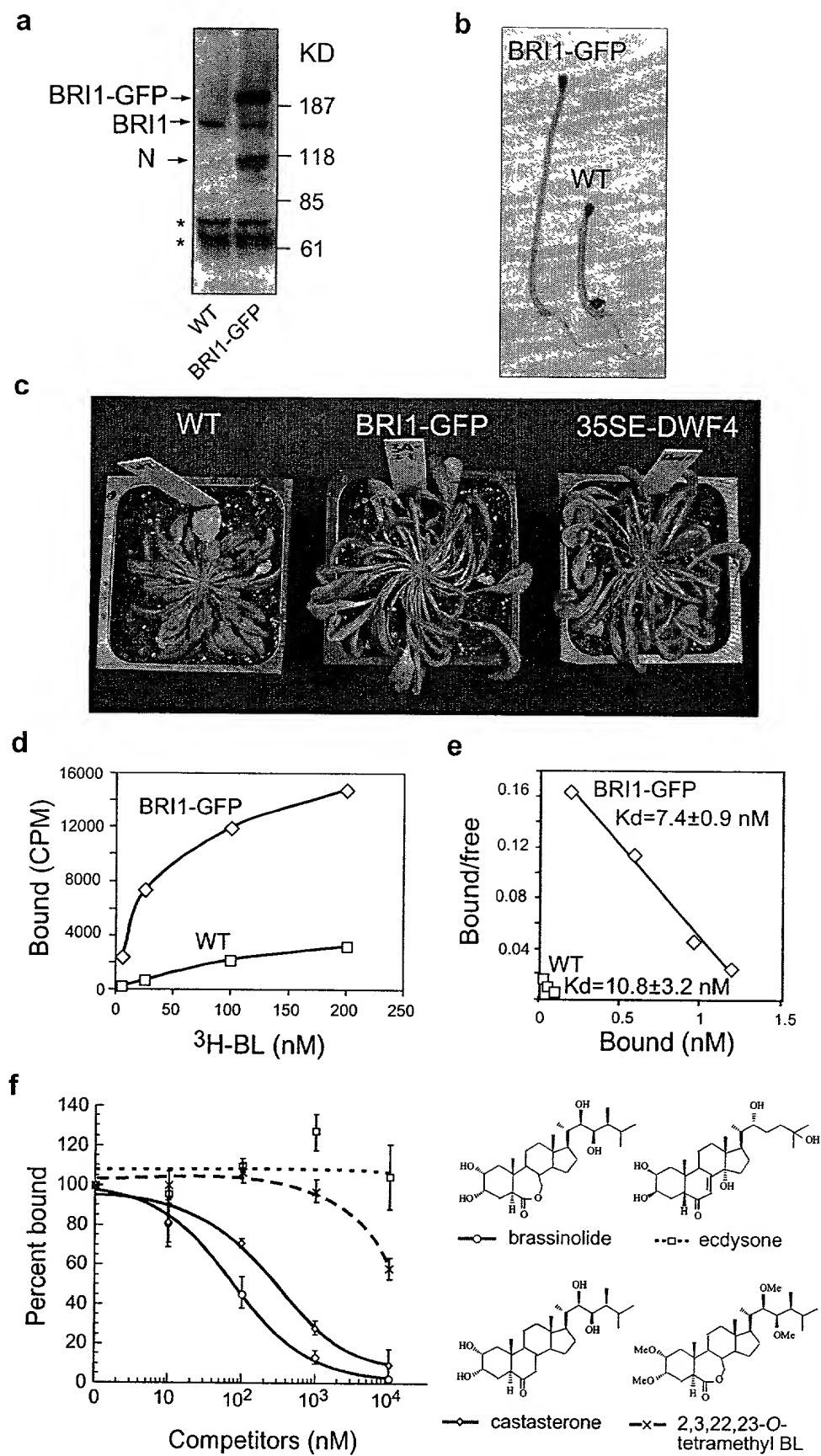


FIG. 2

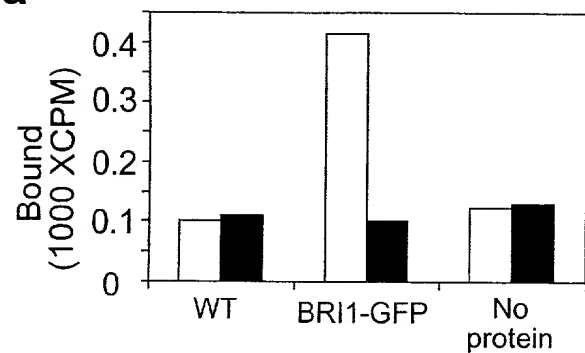
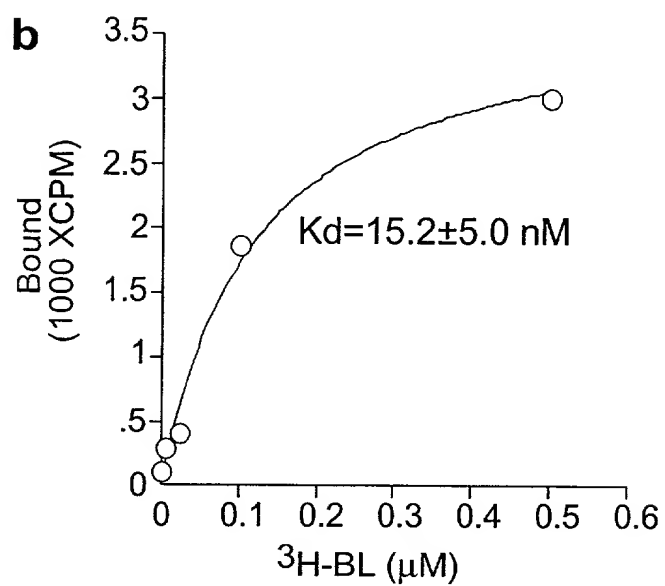
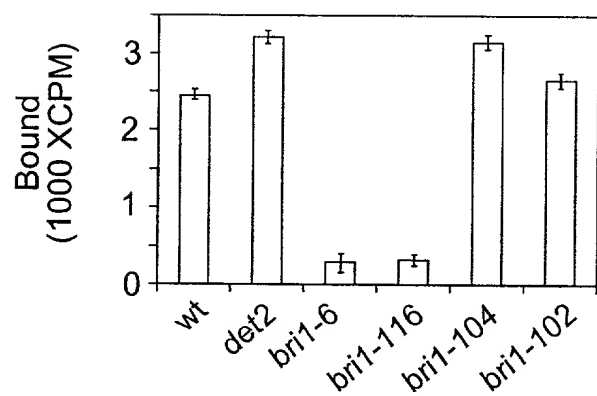
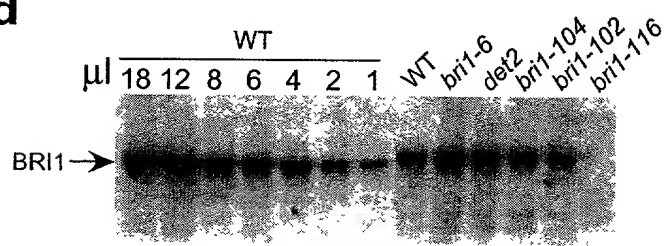
a**b****c****d**

FIG. 3

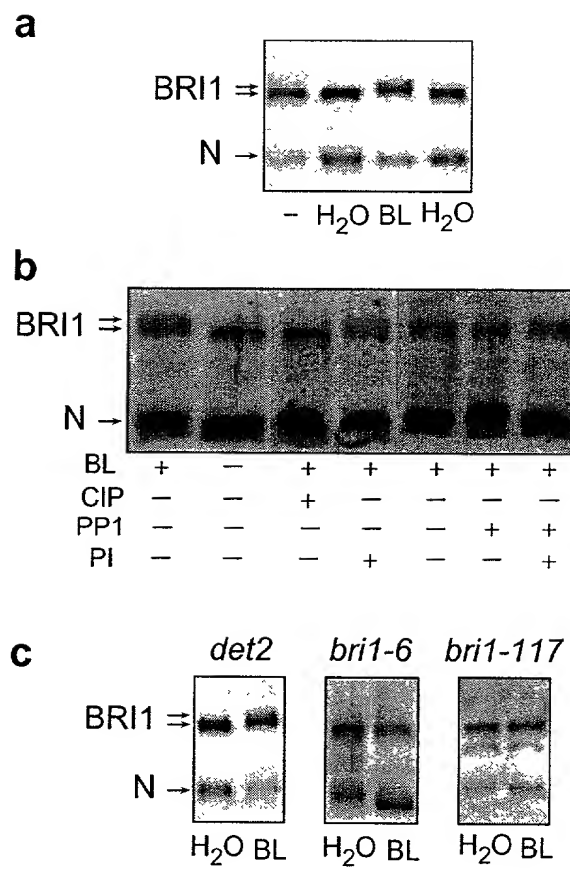


FIG. 4